

ABSTRACT OF THE DISCLOSURE

A system and method of cooling a CCD camera may employ a composite material housing design that allows the cold side of a TEC to be mounted relatively close to the CCD and the hot side of the TEC to be isolated from the housing cavity in which the CCD resides. An efficient heat transfer path may facilitate cooling the
5 CCD to a predetermined or selected operating temperature and isolate the CCD from the heat loads generated by operation the TEC.